

SEGMENTED ALGORITHMIC PATTERN GENERATOR

Abstract

A segmented algorithmic pattern generator engine producing a test signal pattern made of vectors divided into fully definable segments. The engine allows defining processing controls to allow offsets of individual vectors relative to one another and defining additional pattern control formats. Also provided are reducing the pattern format depths in defining counter dimensions within each segment. Single vectors or vector group sequences may be defined at any point as well. The system allows the user control of the pattern generator to compensate for tool and/or device under test latency timing issues. Inputs may be combined and processed into one contiguous pattern of vectors which are definable by the user.